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## (54) JIG FOR THIN SHEET

### (57)Abstract:

PURPOSE: To permit simple fixing of thin sheets by a mechanical operation by mounting an elastic opening/closing frame to a picture frame-shaped main frame in such a manner that said opening/closing frame can be freely opened and closed by a rotating member and elastically grasping the thin sheet between the two frames by utilizing the elasticity of the opening/closing frame.

CONSTITUTION: Jigs 1 for thin sheets are fixed to a conveying frame 4 and are supplied by each piece to a thin sheet attaching and detaching machine by which the jigs are mechanically and flatly tiled. A

tubular handle 5E is pulled to both sides by the

machine and a stopper 5 is turned around a shaft 5F

up to the position shown by a virtual line so that the opening/closing frame 3 is floated from the main frame 2 by the elastic force generated by it's own warpage. The handle 3F is then

lifted upward from below by the machine to rotate the opening/closing frame 3 about 90° around the rotating part 2F, by which an inside layer sheet 6 for a printed wiring board is

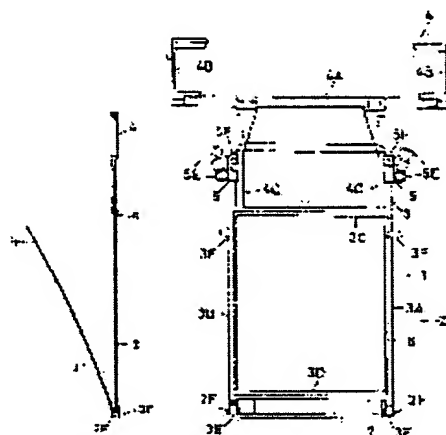
imposed on the main frame 2. The handle 3F of the opening/closing frame 3 is then

detained by the machine and the opening/closing frame 3 is pressed onto the inside layer

sheet 6 from above. The stopper 5 is rotated by the tubular handle 5E to fix the

opening/closing frame 3 to the main frame 2. The part of the conveying frame 4 is raised

and is ejected to the outside. The inside layer sheet 6 is thus mechanically and



automatically attached and detached to and from the jig 1.

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## LEGAL STATUS

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